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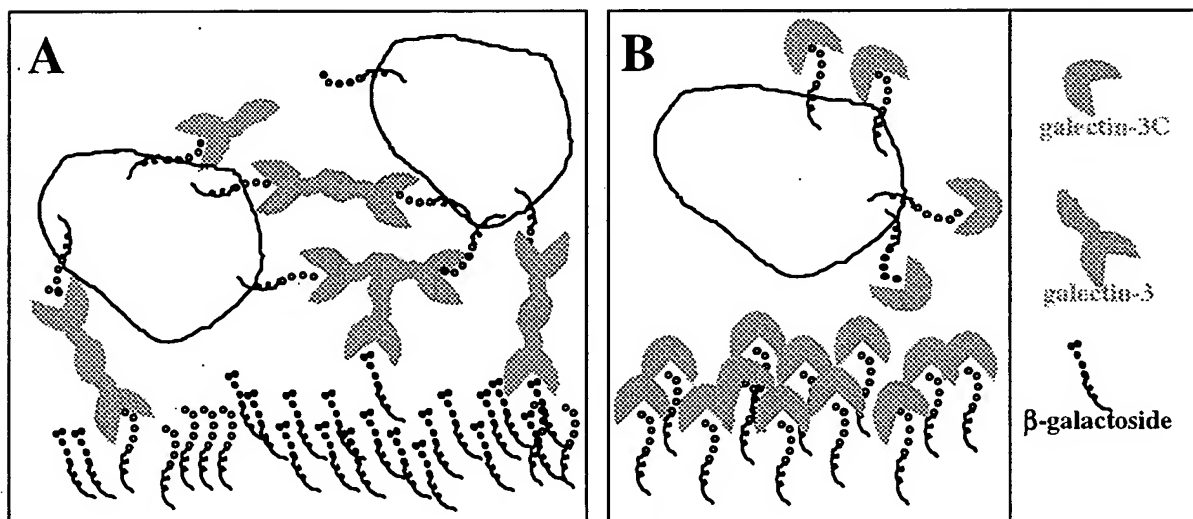
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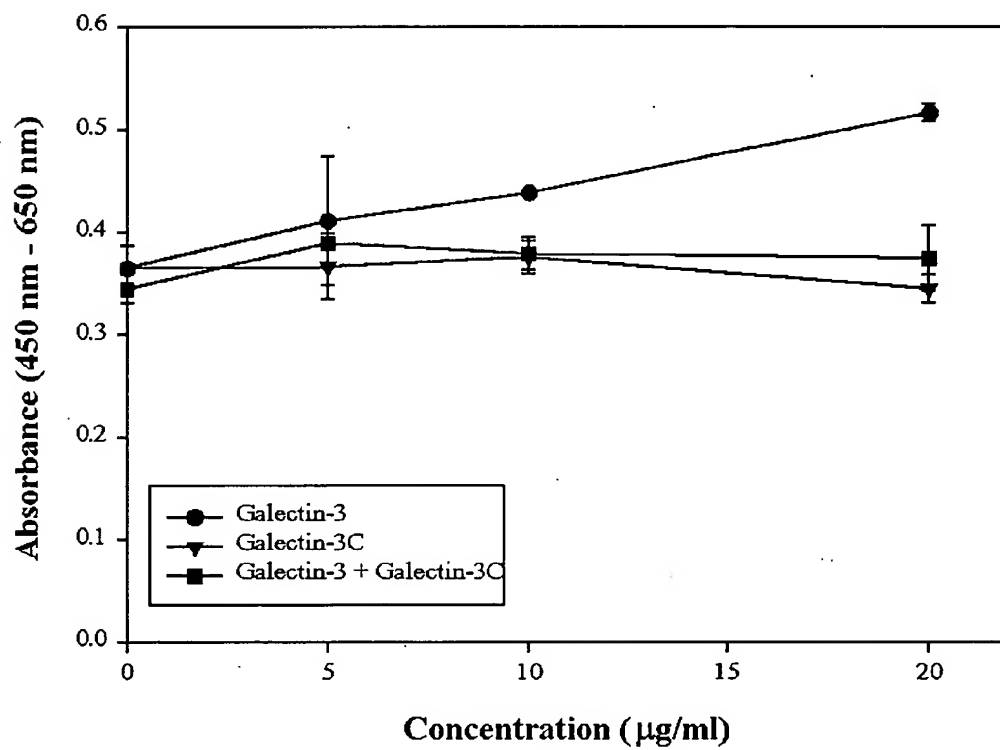
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FIG. 1



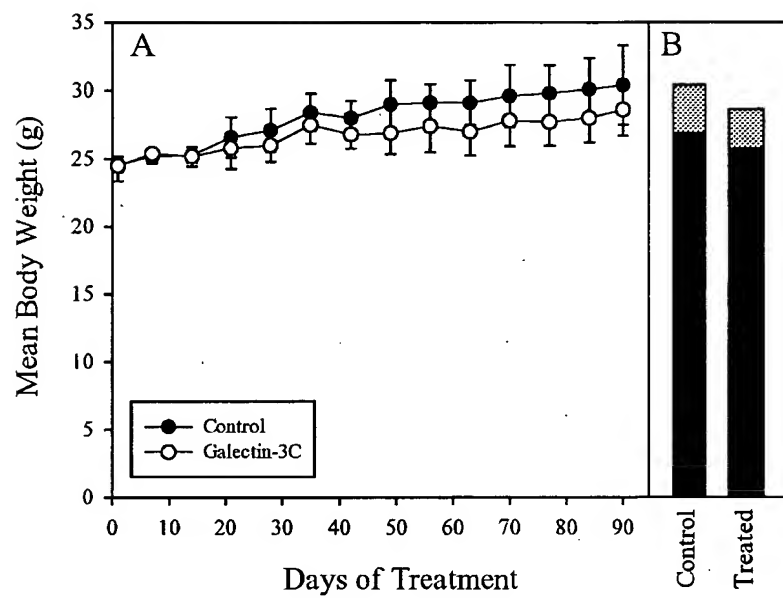
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FIG. 2



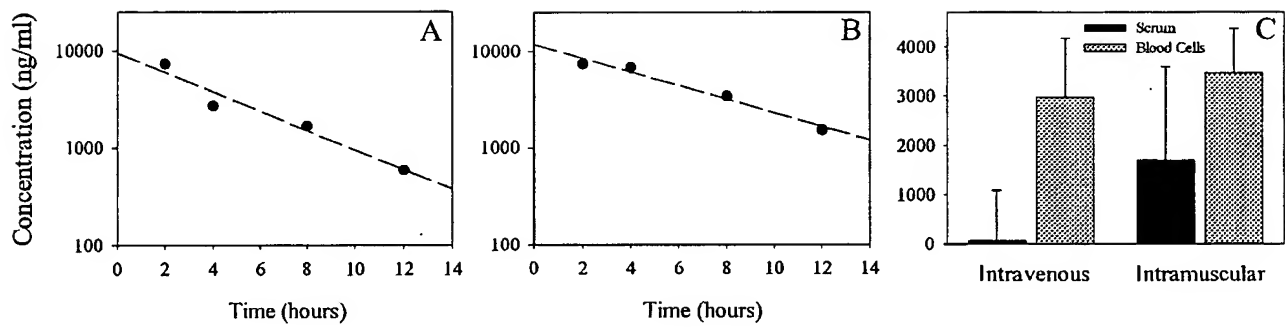
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FIG. 3



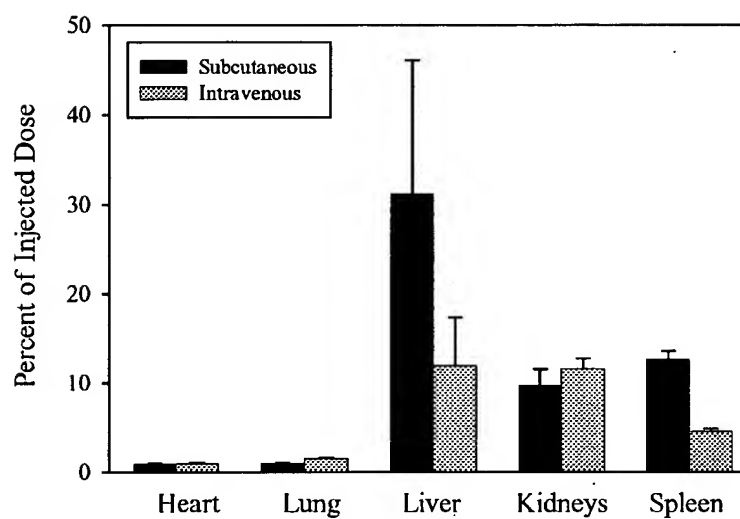
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FIG. 4



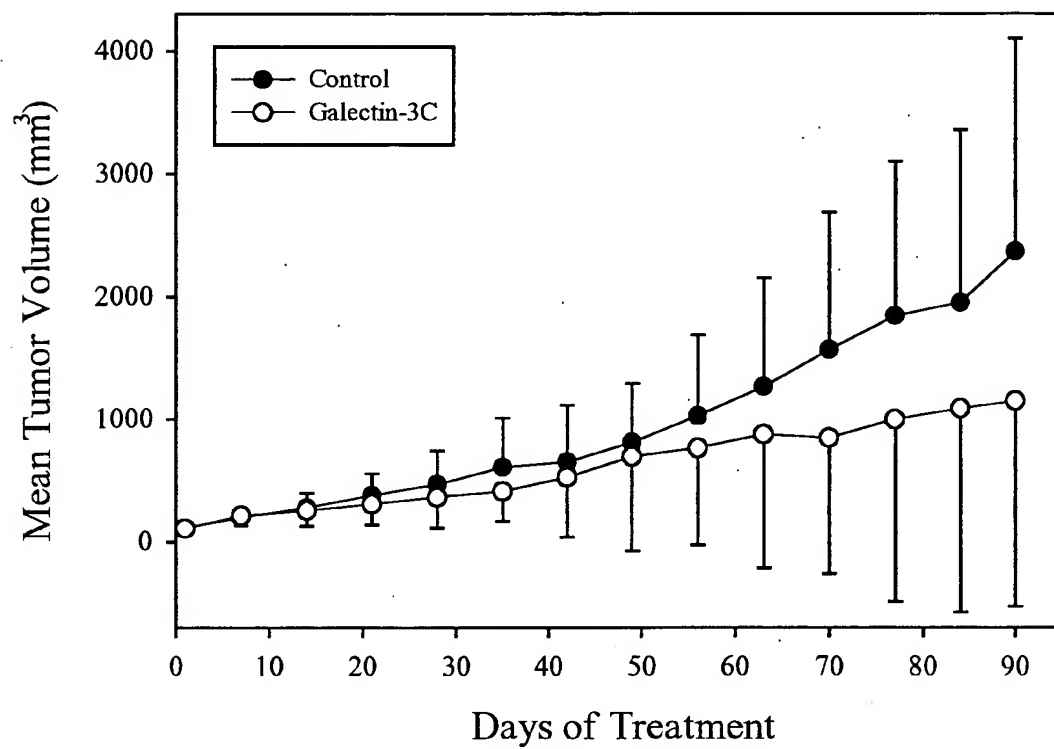
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FIG. 5



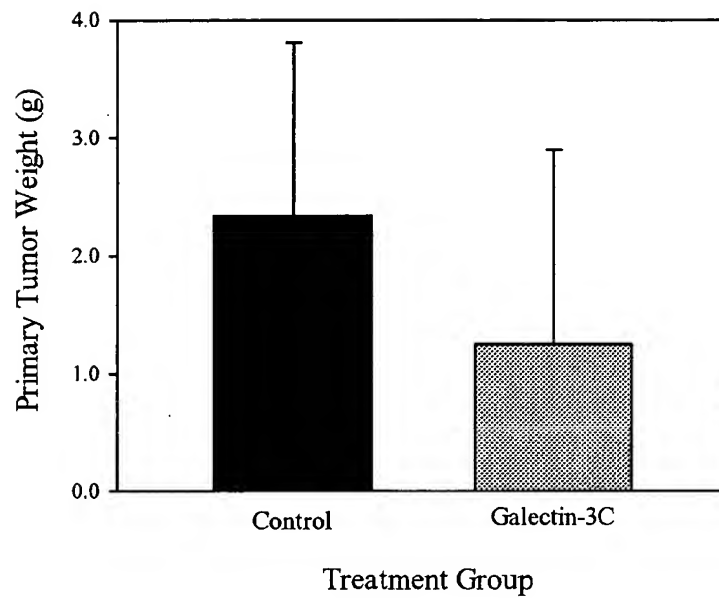
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FIG. 6



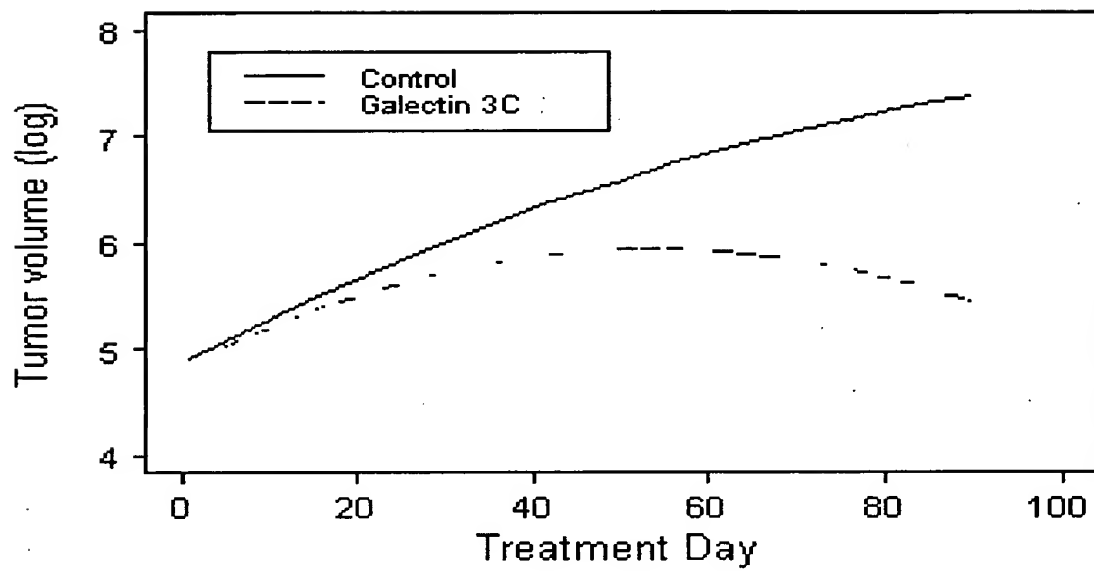
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FIG. 7



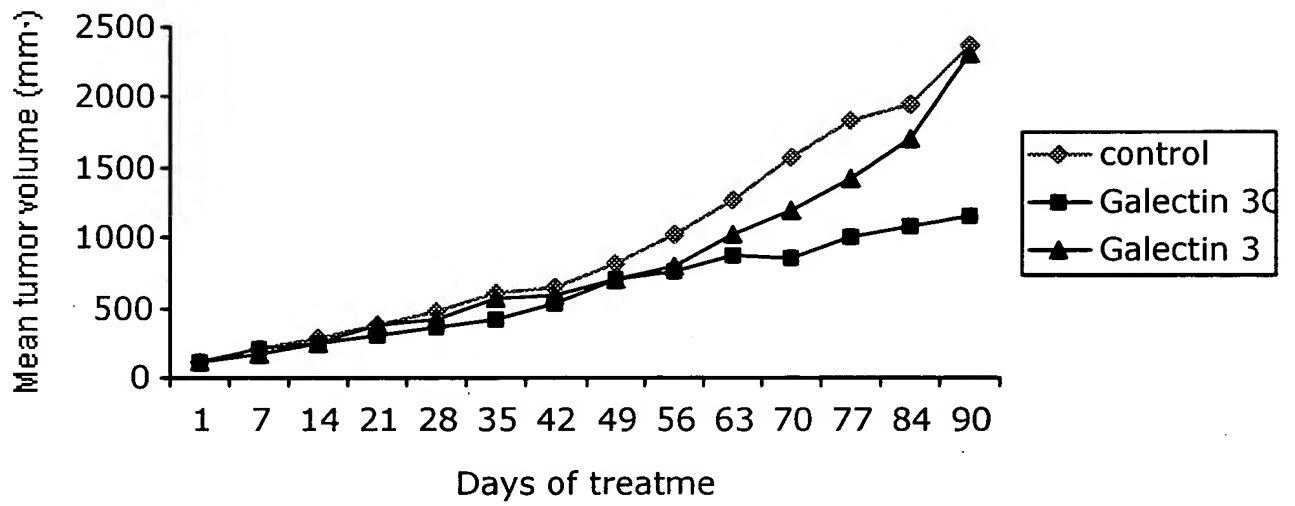
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FIG. 8



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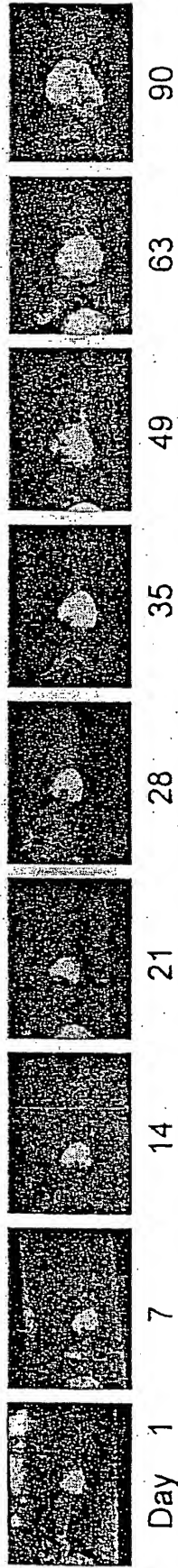
FIG. 9



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FIG. 10

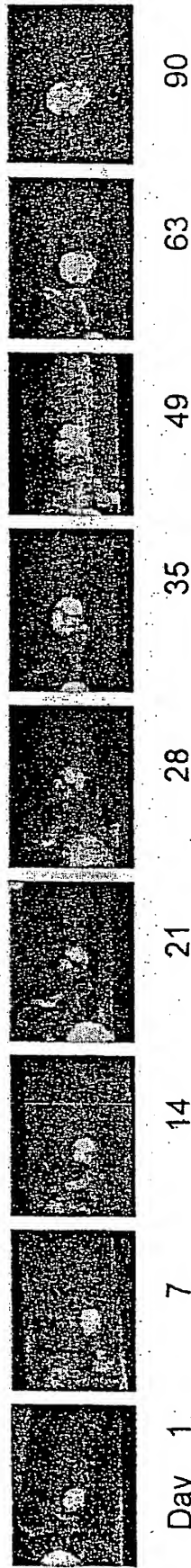
A. Vehicle only *



B. Galectin-3



C. Galectin-3C



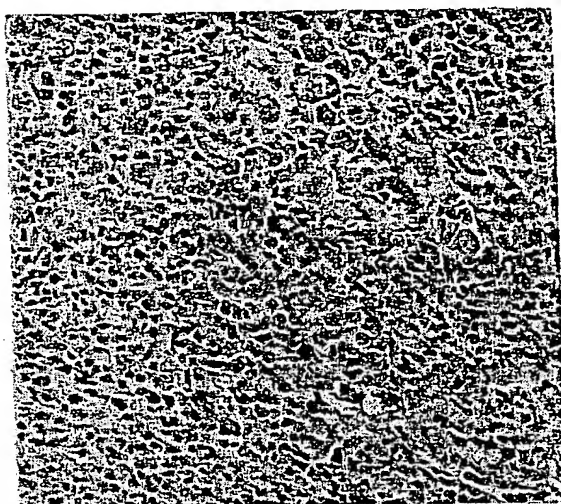
*Typical representative has been chosen for each group

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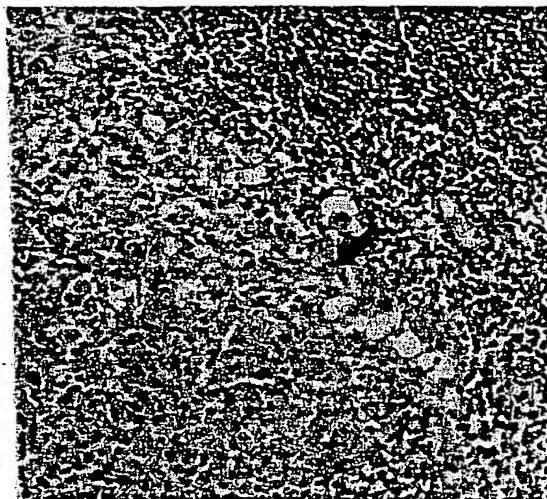
FIG. 11

UCSF-AntiCancer Inc
Efficacy Evaluation of Galectin 3C Against the GFP-Gene Transfected Human
Breast Cancer MDA-MB435 in the MetaMouse® Orthotopic Model

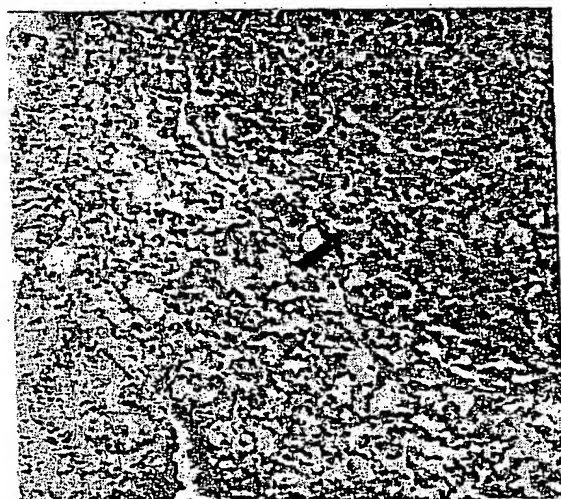
Representative of histopathology photos in the control group (sheet 1 of 2)



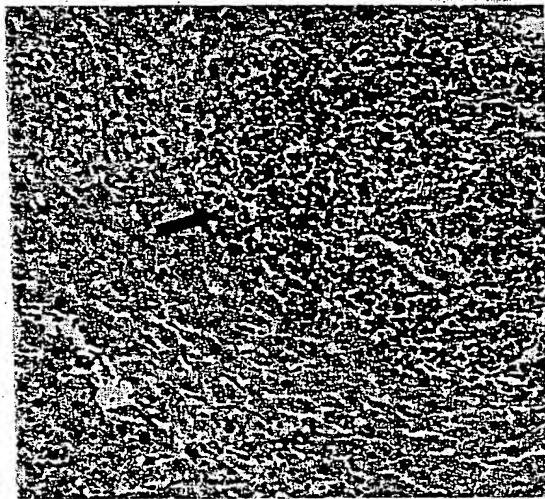
Primary tumor



Lymph node metastasis



Lung metastasis



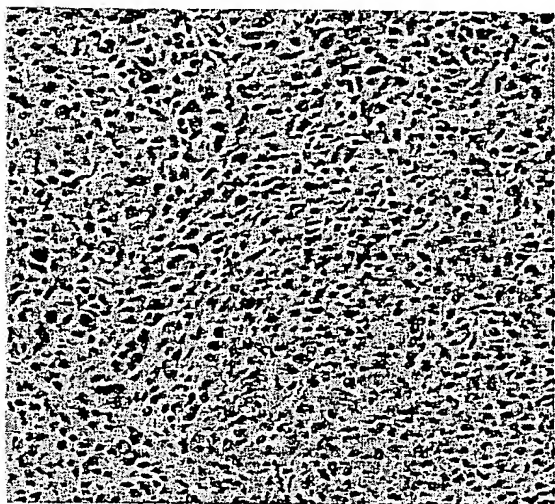
Liver Metastasis

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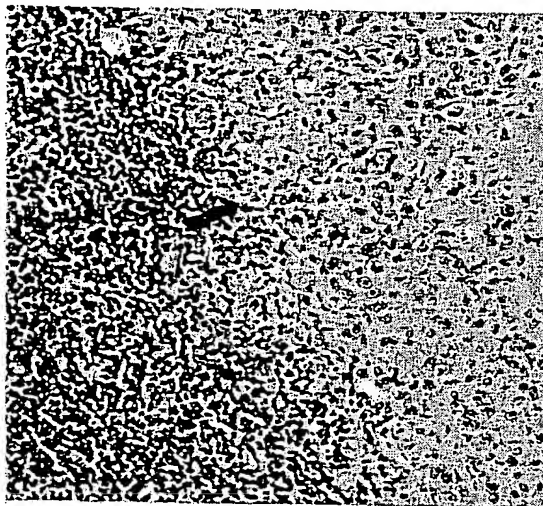
FIG. 12

UCSF-AntiCancer Inc
Efficacy Evaluation of Galectin 3C Against the GFP-Gene Transfected Human
Breast Cancer MDA-MB435 in the MetaMouse® Orthotopic Model

Representative of histopathology photos in the control group (sheet 2 of 2)



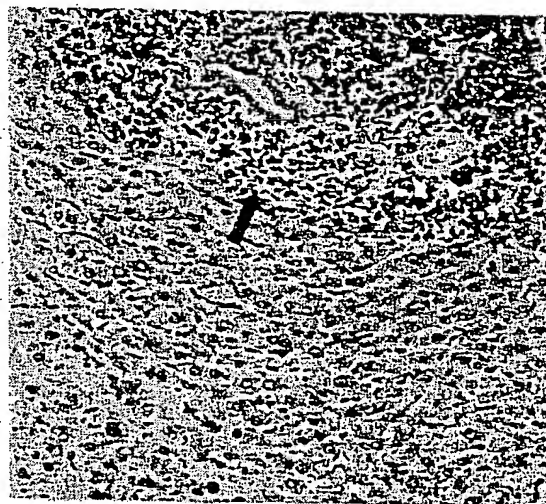
Primary tumor



Lymph node metastasis



Lung metastasis

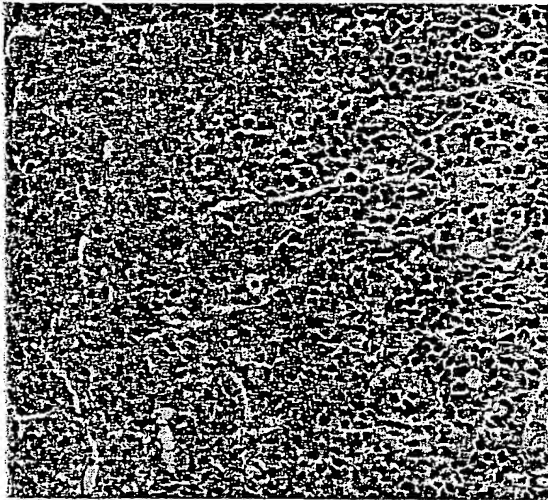


Liver Metastasis

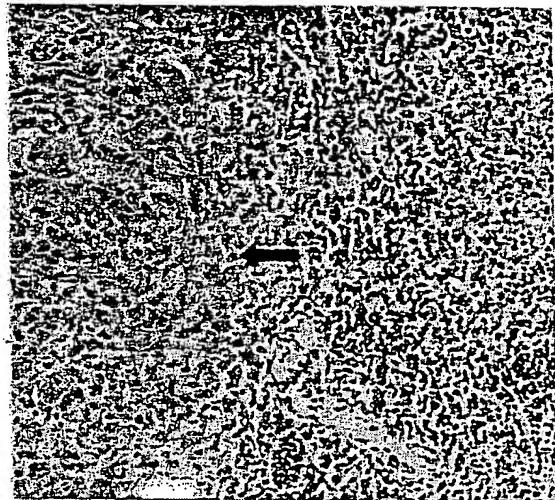
FIG. 13

UCSF-AntiCancer Inc
Efficacy Evaluation of Galectin 3C Against the GFP-Gene Transfected Human
Breast Cancer MDA-MB435 in the MetaMouse® Orthotopic Model

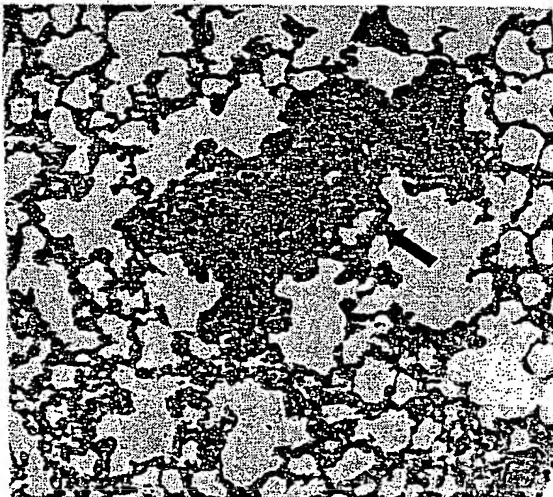
Representative of histopathology photos in the Galectin 3C group (sheet 1 of 2)



Primary tumor



Lymph node metastasis



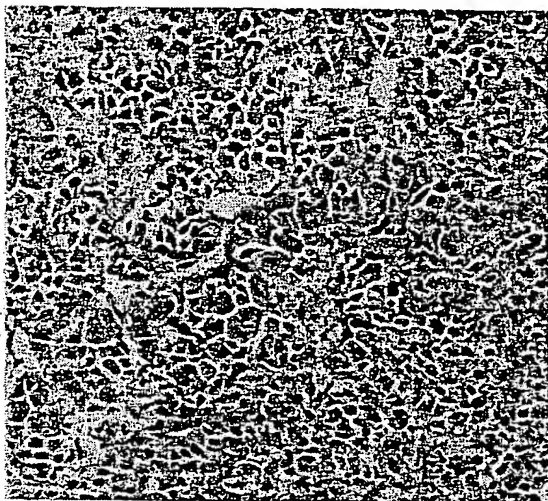
Lung metastasis

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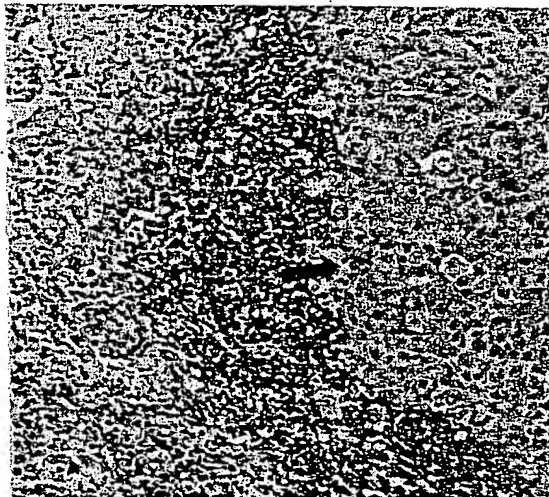
FIG. 14

UCSF-AntiCancer Inc
Efficacy Evaluation of Galectin 3C Against the GFP-Gene Transfected Human
Breast Cancer MDA-MB435 in the MetaMouse® Orthotopic Model

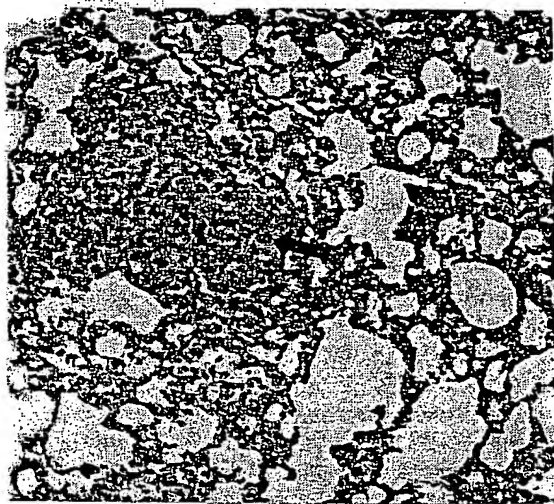
Representative of histopathology photos in the Galectin 3C group (sheet 2 of 2)



Primary tumor



Lymph node metastasis



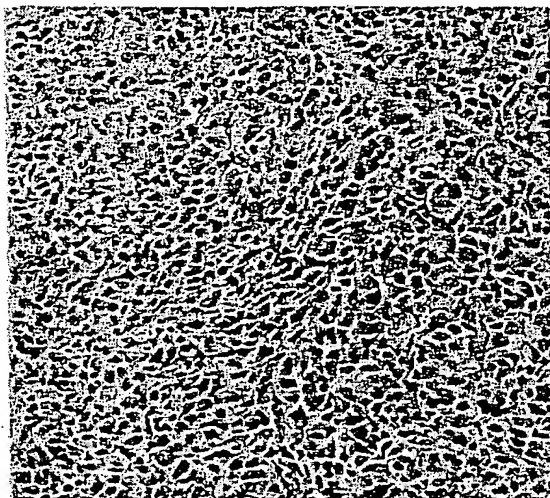
Lung metastasis

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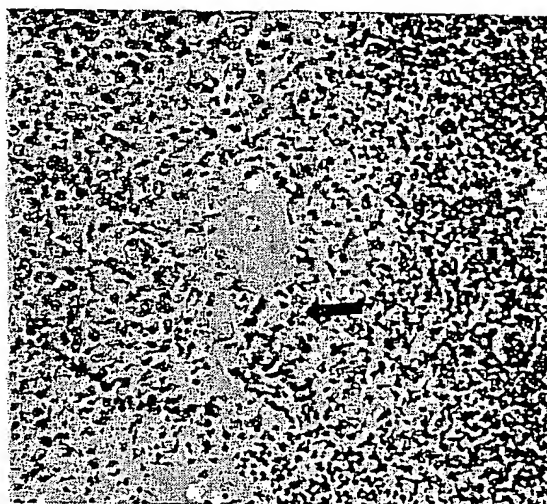
FIG. 15

UCSF-AntiCancer Inc
Efficacy Evaluation of Galectin 3C Against the GFP-Gene Transfected Human
Breast Cancer MDA-MB435 in the MetaMouse® Orthotopic Model

Representative of histopathology photos in the Galectin 3 group (sheet 1 of 1)



Primary tumor



Lymph node metastasis

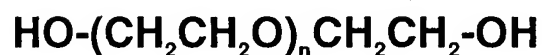


Lung metastasis

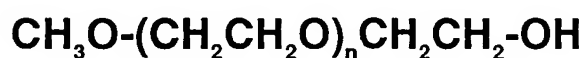
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FIG. 16

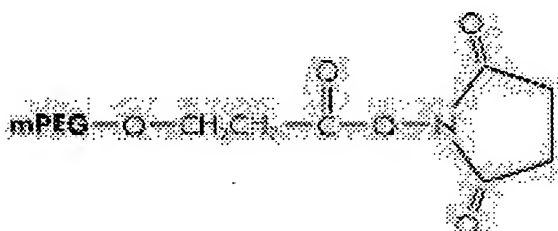
A. Polyethylene glycol



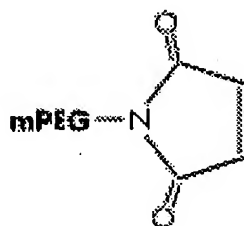
B. Monomethoxypolyethylene glycol or mPEG



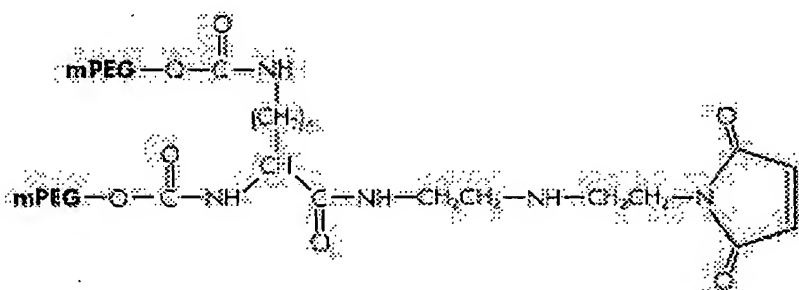
C. mPEG-Succinimidyl Propionate (mPEG-SPA)



D. mPEG-Maleimide (mPEG-MAL)

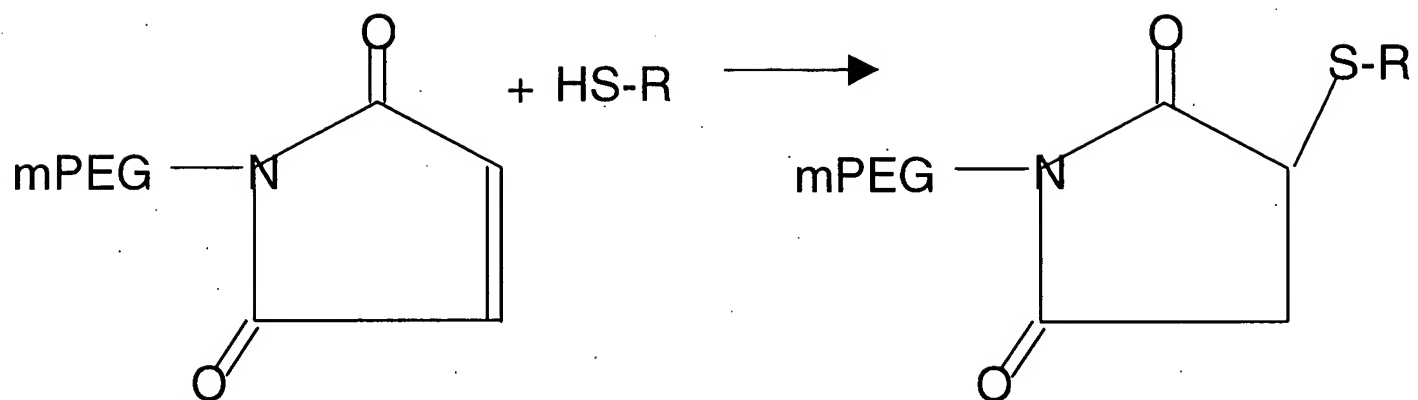


E. mPEG2-Maleimide (mPEG2-MAL)



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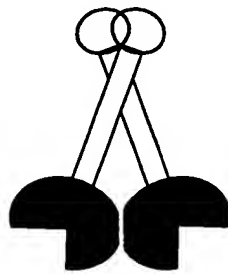
FIG. 17



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FIG. 18

dimeric galectin-3



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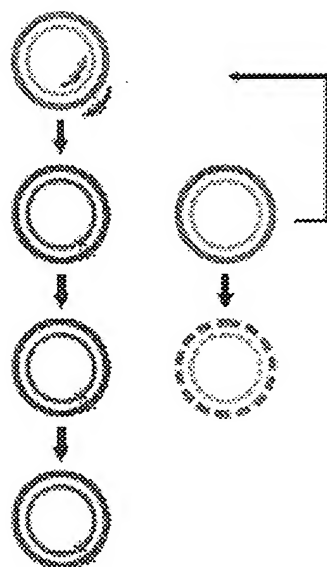
FIG. 19

N-terminally truncated monomeric galectin-3



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FIG. 20



Mutant Strand Synthesis

Perform thermal cycling to:

- 1) Denature DNA template
- 2) Anneal mutagenic primers containing desired mutation
- 3) Extend primers with *PfuUltra* DNA polymerase

Dpn I Digestion of Template

Digest parental methylated and hemimethylated DNA with *Dpn* I

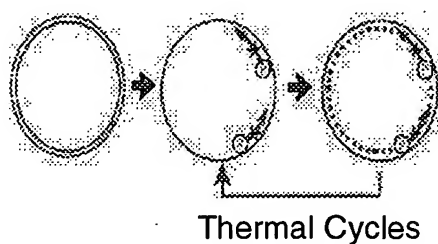
Transformation

Transform mutated molecule into competent cells for nick repair

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FIG. 21

Step 1 Mutant Strand Synthesis (Thermal Cycling)

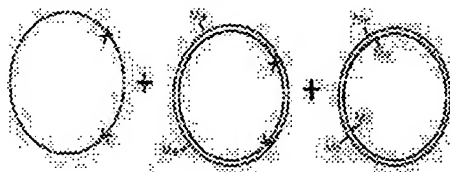


Perform thermal cycling to:

Perform thermal cycling to:

- 4) Denature input DNA
- 5) Anneal mutagenic primers (all primers bind to same strand)
- 6) Extend primers and ligate nicks with the QuickChange Multi enzyme blend

Step 2 *Dpn* I Digestion of Template DNA



Digest methylated and hemimethylated DNA with *Dpn* I

Step 3 Transformation



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FIG. 22

